

Title (en)

FLUID LINE QUICK CONNECTOR WITH DATA MATRIX

Title (de)

FLUIDLEITUNGSSCHNELLVERBINDER MIT DATENMATRIX

Title (fr)

RACCORD RAPIDE DE CONDUITE DE FLUIDE AVEC MATRICE DE DONNÉES

Publication

**EP 4288685 A1 20231213 (EN)**

Application

**EP 22750278 A 20220202**

Priority

- US 202163144721 P 20210202
- US 2022014829 W 20220202

Abstract (en)

[origin: US2022243850A1] A fluid line quick connector serves to join fluid lines together in vehicle applications, as well as in industrial-manufacturing, aircraft, marine, and agricultural applications, among other possibilities. The fluid line quick connector has a retainer assembly with a primary latch and a secondary latch. A data matrix is provided, and can be in the form of a quick response (QR) code, as an example. In use, when the secondary latch is in the open position, the data matrix is partially or more concealed. And when the secondary latch is in the closed position, the partial or more concealment is absent and the data matrix can be properly read.

IPC 8 full level

**F16L 37/12** (2006.01); **F16L 33/22** (2006.01); **G06K 19/06** (2006.01)

CPC (source: EP KR US)

**F16L 37/1225** (2013.01 - KR US); **F16L 37/142** (2013.01 - EP KR); **F16L 2201/10** (2013.01 - EP KR US); **F16L 2201/60** (2013.01 - EP KR)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**US 2022243850 A1 20220804**; CN 117321327 A 20231229; EP 4288685 A1 20231213; JP 2024505572 A 20240206; KR 20230133389 A 20230919; WO 2022169797 A1 20220811

DOCDB simple family (application)

**US 202217590869 A 20220202**; CN 202280026260 A 20220202; EP 22750278 A 20220202; JP 2023546497 A 20220202; KR 20237029722 A 20220202; US 2022014829 W 20220202